What is claimed is:
1. A method for assembling carbon particles into at least one fiber, the method
comprising the steps of:
aligning said carbon particles by flowing a mixture of said carbon molecules and a
curable liquid down a tapering tube starting at a first end of said tapering tube; and
curing said flowing mixture at least near a second end of said tapering tube
whereby a fiber is formed.
2. The invention as defined in claim 1 further comprising the step of dispersing
said carbon particles within said curable liquid to form said mixture.
3. The invention as defined in claim 1 wherein said curable liquid cures, at least in
part, in the presence of ultraviolet light.
4. The invention as defined in claim 1 further comprising the step of heating said
fiber so as to cause at least some volatile elements therein to substantially dissipate
therefrom.
5. The invention as defined in claim 1 further comprising the step of twisting said
fiber.
6. The invention as defined in claim 1 further comprising the step of increasing
the density of said fiber.
the density of Said Hoof.
7. The invention as defined in claim 1 comprising the step of heating said fiber.
8. The invention as defined in claim 1 comprising the step of sintering at least
some of said carbon particles within said fiber.

9. The invention as defined in claim 1 comprising the step of cladding said fiber.

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1 2	10. The invention as defined in claim 1 comprising the step of spooling said fiber onto a take-up drum.
1	11. The invention as defined in claim 1 wherein said curable liquid is comprises
2	at least one of the group consisting of:
3	(i) a copolymer of (a) methylmethacrylate with (b) the ester of methacrylic acid
4	and anthaceyl methanol; and
5	(ii) PS2067.
1	12. The invention as defined in claim 1 wherein carbon particles comprise at least carbon nanotube molecules.
2	carbon nanotube molecules.
1	13. The invention as defined in claim 1 wherein carbon particles comprise at least
2	carbon fibrils.
1	14. A fiber produced by the process defined in claim 1.
1 2	15. The invention as defined in claim 1 wherein said curing step is performed, at least in part, by shining ultraviolet light upon said mixture.
1	16. The invention as defined in claim 1 wherein said curing is performed at least
2	in part while said mixture remains within said tapering tube.
1	17. The invention as defined in claim 1 wherein said tapering tube has a portion
2	that is at least partially translucent to ultraviolet light.
1	18. The invention as defined in claim 1 wherein said curing is performed at least
2	in part after said mixture has exited from said tapering tube.

1 2 3	19. A method for assembling carbon particles into at least one aligned fiber, the method comprising the step of passing a curable liquid containing carbon through a tapering tube, whereby said carbon particles become substantially aligned.
1 2	20. The invention as defined in claim 19 wherein said carbon particles are carbon nanotube molecules.
1	21. The invention as defined in claim 19 wherein said carbon particles are carbon fibrils.
1 2	22. A carbon particle fiber comprising carbon particles that were aligned at least in part by being flowed through a tapering tube as part of a curable liquid.
1 2	23. The invention as defined in claim 22 wherein said carbon particles are carbon nanotube molecules.
1 2	24. The invention as defined in claim 22 wherein said carbon particles are carbon fibrils.
1	25. A carbon particle fiber comprising substantially only aligned carbon particles that were aligned at least in part while intermixed within a carrier substance.
1 2	26. The invention as defined in claim 25 wherein said carbon particles are carbon nanotube molecules.
1	27. The invention as defined in claim 25 wherein said carbon particles are carbon fibrils.

1	28. A method for assembling carbon particles into at least one fiber, the method
2	comprising the steps of:
3	aligning said carbon particles by flowing a mixture of said carbon molecules and a
4	curable liquid down a tapering tube starting at a first end of said tapering tube;
5	curing said flowing mixture at least near a second end of said tapering tube using
6	ultraviolet light whereby a fiber is formed;
7	heating said fiber so as to cause any volatile elements from said solidified curable
8	liquid to substantially dissipate from said fiber;
9	twisting said fiber to increase its density; and
10	heating said fiber to sinter said carbon particles within said fiber.
1 2	29. The invention as defined in claim 28 further comprising the step of cladding said fiber.
1	30. The invention as defined in claim 28 wherein said carbon particles are carbon
2	nanotube molecules.
1	31. The invention as defined in claim 28 wherein said carbon particles are carbon
2	fibrils.